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SOILS

78-001637 Andrews, Wells F. SOIL SURVEY OF GRUNDY COUNTY, IOWA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 84p. + single-fold maps based on aerial photos and bound in. Mar. 1977. WR 169

78-001638 Barnhill, William L. and others SOIL SURVEY OF LENOIR COUNTY, NORTH CAROLINA. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 66p. + single-fold maps based on aerial photos and bound in. Mar. 1977. WR 169

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78-001640 Borup, H. J.; Bagley, D. G. SOIL SURVEY OF MEADOW VALLEY AREA, NEVADA-UTAH. PARTS OF LINCOLN COUNTY, NEVADA, AND IRON COUNTY, UTAH. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 167p. + single-fold maps based on aerial photos and bound in. Dec. 1976. WR 169

78-001641 Brock, George G.; Robertson, Stanley M.; McIntyre, C. L. SOIL SURVEY OF BARROW, HALL, AND JACKSON COUNTIES, GEORGIA. U.S. Dep. Agric. Soil Conserv. Soil Surv. iii + 60p. + single-fold maps based on aerial photos and bound in. May 1977. WR 169

78-001642 Bullard, Cecil F., Jr. and others SOIL SURVEY OF CAMPBELL COUNTY AND CITY OF LYNCHBURG, VIRGINIA. U.S. Dep. Agric. Soil Conserv. Soil Surv. iv + 121p. + single-fold maps based on aerial photos and bound in. [1977]. WR 169

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78-001644 Dixon, Marvin L. SOIL SURVEY OF GLASSCOCK COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. viii + 84p. + single-fold maps based on aerial photos and bound in. Aug. 1977. WR 169

78-001645 Dodge, Darold A. SOIL SURVEY OF BARBER COUNTY, KANSAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 73p. + single-fold maps based on aerial photos and bound in. Feb. 1977. WR 169

78-001646 Dunn, James SOIL SURVEY OF ORANGE COUNTY, NORTH CAROLINA. U.S. Dep. Agric. Soil Conserv. Soil Surv. viii + 93p. + single-fold maps based on aerial photos and bound in. June 1977. WR 169

78-001647 Fleming, Edward F. SOIL SURVEY OF OSBORNE COUNTY, KANSAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 60p. + single-fold maps based on aerial photos and bound in. Jan. 1977. WR 169

78-001648 Fox, C. J. and others SOIL SURVEY OF TAYLOR RIVER AREA, COLORADO (NORTHEASTERN PART OF GUNNISON COUNTY). U.S. Dep. Agric. Soil Conserv. Soil Surv. iv + 82p. + single-fold maps based on aerial photos and bound in. June 1977. WR 169

78-001649 Furbush, Clarence E. and others SOIL SURVEY OF GOLDSTREAM-NENANA AREA, ALASKA. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 44p. + single-fold maps based on aerial photos and bound in. July 1977. WR 169

78-001650 Gray, James L.; Ferguson, Dick V. SOIL SURVEY OF POINSETT COUNTY, ARKANSAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 66p. + single-fold maps based on aerial photos and bound in. June 1977. WR 169

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78-001652 Greenwade, James M.; Kelley, J. David; Hyde, Harold W. SOIL SURVEY OF PARKER COUNTY TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. iii + 90p. + single-fold maps based on aerial photos and bound in. June 1977. WR 169

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78-001655 Huckabee, John W., Jr. and others SOIL SURVEY OF BELL COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 75p. + single-fold maps based on aerial photos and bound in. Mar. 1977. WR 169

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78-001659 Lockridge, L. Dale and others SOIL SURVEY OF APPANOOSE COUNTY, IOWA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 128p. + single-fold maps based on aerial photos and bound in. Jan. 1977. WR 169

78-001660 Markley, Marco L. and others SOIL SURVEY OF CAPE MAY COUNTY, NEW JERSEY. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 48p. + single-fold maps based on aerial photos and bound in. Feb. 1977. WR 169

78-001661 Martin, George D.; Haagen, John T. SOIL SURVEY OF ARMSTRONG COUNTY, PENNSYLVANIA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 73p. + single-fold maps based on aerial photos and bound in. Feb. 1977. WR 169

78-001662 McDole, Robert E. and others SOIL SURVEY OF FORT HALL AREA, IDAHO. PARTS OF BANNOCK, BINGHAM, CARIBOU, AND POWER COUNTIES. U.S. Dep. Agric. Soil Conserv. Soil Surv. iii + 97p. + single-fold maps based on aerial photos and bound in. Mar. 1977. WR 169

78-001663 McNutt, R. B. and others SOIL SURVEY OF GENEVA COUNTY, ALABAMA. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 59p. + single-fold maps based on aerial photos and bound in. Jan. 1977. WR 169

78-001664 Minor, Paul E. SOIL SURVEY OF DEKALB COUNTY, MISSOURI. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 46p. + single-fold maps based on aerial photos and bound in. Apr. 1977. WR 169

78-001665 Moore, Joe D.; Coburn, Winfred C.; Harris, Edward R. SOIL SURVEY OF EASTLAND COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 68p. + single-fold maps based on aerial photos and bound in. May 1977. WR 169

78-001666 Murphy, Kenneth E. and others SOIL SURVEY OF ST. MARTIN PARISH, LOUISIANA. U.S. Dep. Agric. Soil Conserv. Soil Surv. viii + 73p. + single-fold maps based on aerial photos and bound in. Apr. 1977. WR 169

78-001667 Olsen, J. Art; Haub, Mervyn H.; Bingham, Lamonte C. SOIL SURVEY OF BROADWATER COUNTY AREA, MONTANA. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 83p. + single-fold maps based on aerial photos and bound in. April 1977. WR 169

78-001668 Phillips, William W.; Harper, M. Dean SOIL SURVEY OF BENTON COUNTY, ARKANSAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 87p. + single-fold maps based on aerial photos and bound in. Jan. 1977. WR 169

78-001669 Pringle, Fred B. and others SOIL SURVEY OF KAUFMAN AND ROCKWALL COUNTIES, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 57p. + single-fold maps based on aerial photos and bound in. June 1977. WR 169

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78-001671 Ramsey, Robert N.; Bade, Norman P. SOIL SURVEY OF GUADALUPE COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 80p. + single-fold maps based on aerial photos and bound in. Mar. 1977. WR 169

78-001672 Richardson, Wayne E.; Hajek, Johnny; Neitsch, Conrad SOIL SURVEY OF MOTLEY COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 77p. + single-fold maps based on aerial photos and bound in. July 1977. WR 169

78-001673 Richardson, Wayne E.; Goerdel, Auline R.; Lofton, K. T. SOIL SURVEY OF WICHITA COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 88p. + single-fold maps based on aerial photos and bound in. May 1977. WR 169

78-001674 Rogers, Vergil A. and others SOIL SURVEY OF BARNWELL COUNTY, SOUTH CAROLINA, EASTERN PART. U.S. Dep. Agric. Soil Conserv. Soil Surv. iii + 52p. + single-fold maps based on aerial photos and bound in. Feb. 1977. WR 169

78-001675 Rott, Donald E.; Haberman, Roger L. SOIL SURVEY OF NESS COUNTY, KANSAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 52p. + single-fold maps based on aerial photos and bound in. Jan. 1977. WR 169

78-001676 Seaholm, James E. and others SOIL SURVEY OF BUENA VISTA COUNTY, IOWA. U.S. Dep. Agric. Soil Conserv. Soil Surv. iii + 92p. + single-fold maps based on aerial photos and bound in. June 1977. WR 169

78-001677 Seevers, Vernon C. SOIL SURVEY OF YORK COUNTY, NEBRASKA. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 52p. + single-fold maps based on aerial photos and bound in. Aug. 1977. WR 169

78-001678 Sherwood, Max A. and others SOIL SURVEY OF MAHASKA COUNTY, IOWA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 123p. + single-fold maps based on aerial photos and bound in. Feb. 1977. WR 169

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78-001680 Stone, Kenneth M. and others SOIL SURVEY OF ALLEGANY COUNTY, MARYLAND. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 134p. + single-fold maps based on aerial photos and bound in. Jan. 1977. WR 169

78-001681 Stott, Laurel H. and others SOIL SURVEY OF DELTA AREA, UTAH. PART OF MILLARD COUNTY. U.S. Dep. Agric. Soil Conserv. Soil Surv. iii + 77p. + single-fold maps based on aerial photos and bound in. May 1977. WR 169

78-001682 Sutton, Charles K. and others SOIL SURVEY OF BENTON COUNTY, MINNESOTA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 118p. + single-fold maps based on aerial photos and bound in. Mar. 1977. WR 169

78-001683 Swanson, Deane W.; Googins, Richard L. SOIL SURVEY OF WOODSON COUNTY, KANSAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 67p. + single-fold maps based on aerial photos and bound in. 1977. WR 169

78-001684 Taylor, Frank B. SOIL SURVEY OF WILSON COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 99p. + single-fold maps based on aerial photos and bound in. June 1977. WR 169

78-001685 Thiele, James H. and others SOIL SURVEY OF RENVILLE COUNTY, NORTH DAKOTA. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 76p. + single-fold maps based on aerial photos and bound in. May 1977. WR 169

78-001686 Thomas, Jesse R., Jr. SOIL SURVEY OF RED RIVER COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 92p. + single-fold maps based on aerial photos and bound in. Feb. 1977. WR 169

78-001687 Thompson, Kenneth W.; Hetzler, Robert L. SOIL SURVEY OF PEMBINA COUNTY, NORTH DAKOTA. U.S. Dep. Agric. Soil Conserv. Soil Surv. iii + 117p. + single-fold maps based on aerial photos and bound in. July 1977. WR 169

78-001688 True, J. C. and others SOIL SURVEY OF RUTHERFORD COUNTY, TENNESSEE. U.S. Dep. Agric. Soil Conserv. Soil Surv. iv + 95p. + single-fold maps based on aerial photos and bound in. July 1977. WR 169

78-001689 Turner, August J. SOIL SURVEY OF JEFF DAVIS COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 93p. + single-fold maps based on aerial photos and bound in. May 1977. WR 169

78-001690 Weaver, Arlin; Brandon, Clarence; Lynn, W. Everette, Jr. SOIL SURVEY OF NEW HANOVER COUNTY, NORTH CAROLINA. U.S. Dep. Agric. Soil Conserv. Soil Surv. viii + 69p. + single-fold maps based on aerial photos and bound in. Apr. 1977. WR 169

78-001691 Williams, Dewayne; Thompson, Charles M.; Jacobs, Jerry L. SOIL SURVEY OF CAMERON COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 92p. + single-fold maps based on aerial photos and bound in. May 1977. WR 169

78-001692 Williams, Norris L.; Kerr, James W.; McLoda, Niles A. SOIL SURVEY OF HIGHLAND COUNTY, OHIO. U.S. Dep. Agric. Soil Conserv. Soil Surv. iv + 206p. + single-fold maps based on aerial photos and bound in. May 1977. WR 169

78-001693 Wright, M. Robert; Sweeney, Michael D. SOIL SURVEY OF EDDY COUNTY AND PARTS OF BENSON AND NELSON COUNTIES, NORTH DAKOTA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 202p. + single-fold maps based on aerial photos and bound in. Mar. 1977. WR 169

78-001694 Wynn, A. H.; Tyler, M. C.; Smith, W. I. SOIL SURVEY OF BENTON COUNTY, MISSISSIPPI. U.S. Dep. Agric. Soil Conserv. Soil Surv. ii + 44p. + single-fold maps based on aerial photos and bound in. Jan. 1977. WR 169

GENERAL CONSERVATION

78-001695 Curry-Lindahl, Kai CONSERVATION PROBLEMS AND PROGRESS IN NORTHERN AND SOUTHERN AFRICA. Environ. Conserv. 1 (4): 263-270. 1974. WR 169
[UN Environ. Programme, P.O. Box 30552, Nairobi, Kenya]

78-001696 Curry-Lindahl, Kai CONSERVATION PROBLEMS AND PROGRESS IN EQUATORIAL AFRICAN COUNTRIES. Environ. Conserv. 1 (2): 111-122. 1974. WR 169
[UN Environ. Programme, P.O. Box 30552, Nairobi, Kenya]

CONSERVATION EDUCATION

78-001697 Frazier, Alton V. PREPARATION OF VISUAL AIDS. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 463-466. 1976. WR 169
[Utah Div. Wildl. Resour., Salt Lake City 84116]

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78-001698 Potter, David S.; Tibbs, John F. A BIBLIOGRAPHY OF GRADUATE THESES AND DISSERTATIONS RESEARCHED AT OR NEAR THE UNIVERSITY OF MONTANA BIOLOGICAL STATION. Proc. Mont. Acad. Sci. 36: 101-109. 1976[1977]. WR 169
[Univ. Mont. Biol. Stn., Yellow Bay, Flathead Lake, Bigfork]
Includes studies completed through May 1974.

PLANTS--GENERAL, ECOLOGY, TECHNIQUES

78-001699 Zeedyk, W. D.; Farmer, R. E., Jr.; McBryde, B.; Baker, G. S. ENDANGERED PLANT SPECIES AND WILDLAND MANAGEMENT. J. For. 76 (1): 31-36. Jan. 1978. WR 169
[USDA, Forest Service, Washington, D.C.] Abstract: Recent legislation has given wildland managers the authority and responsibility to ensure the survival of endangered and threatened plant species. Management strategies to protect such species include inventory compilation, refuge establishment, special environmental practices, and artificial propagation. Research into life histories,

78-001699 CONTINUED
environmental requirements, and population dynamics is needed.

PLANTS--HABITAT SURVEYS

78-001700 Cuccarese, Sal V.; Evans, C. D. A TECHNIQUE FOR THE SUBJECTIVE ANALYSIS OF ALASKAN HABITAT. Proc. Alaska Sci. Conf. 28 (4): 83-90. Sept. 1977. WR 169
[Univ. Alaska, Anchorage 99501]

WILDLIFE--GENERAL

78-001701 Poole, Daniel A. WILDLIFE IN OUR FUTURE. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 33-40. 1976. WR 169
[Wildl. Manage. Inst., 1000 Vermont Ave., N.W., Washington, D.C. 20005]

78-001702 Wortham, J. W. E., Jr.; Brown, P. I.; Marton, J. TAXONOMIC IMPLICATIONS OF SPERMATOZOA AND THEIR ASSOCIATIONS. Va. J. Sci. 28 (2): 69. 1977. Abstract only. WR 169
[Old Dominion Univ., Norfolk, Va. 23505] Spermatozoa of 15 species of ambystomatid salamanders, 28 species of plethodontid salamanders and 7 mammalian genera belonging to the family Sciuridae were studied with the light microscope.--From abstr.

WILDLIFE--TECHNIQUES

78-001703 Eberhardt, L. L. TRANSECT METHODS FOR POPULATION STUDIES. J. Wildl. Manage. 42 (1): 1-31. Jan. 1978. WR 169
[Pacific Northwest Lab., Battelle Memorial Inst., Richland, Wash. 99352]

78-001704 Koeppl, James W.; Slade, Norman A.; Hoffmann, Robert S. DISTANCE BETWEEN OBSERVATIONS AS AN INDEX OF AVERAGE HOME RANGE SIZE. Am. Midl. Nat. 98 (2): 476-482. Oct. 1977. WR 169
[Univ. Kans., Lawrence 66045]

78-001705 Zimmermann, Francois; Gerard, Hughs; Charles-Dominique, Pierre LE RADIO-TRACKING DES VERTEBRES: CONSEILS ET TECHNIQUES D'UTILISATION. [RADIOTELEMETRY OF VERTEBRATES: ADVICE AND UTILIZATION TECHNIQUES.] Terre Vie 30 (3): 309-346. July-Sept. 1976. In French with English summ. WR 169
[Univ. Paris VII, 2 place Jussieu, 75221 Paris Cedex, France] Summary: Recent advances in radio-tracking small vertebrates are reviewed. Practical suggestions are made on how to build cheap transmitters which can be used in tropical as well as temperate habitats.

WILDLIFE--BIOMETRICS

78-001707 Brownie, Cavell; Anderson, David R.; Burnham, Kenneth P.; Robson, Douglas S. STATISTICAL INFERENCE FROM BAND RECOVERY DATA--A HANDBOOK. U.S. Fish Wildl. Serv. Resour. Publ. no. 131. x + 212p. 1978. WR 169

WILDLIFE--FAUNAS, NATURAL HISTORY, MANUALS

78-001708 Garrison, George A.; Bjugstad, Ardell J.; Duncan, Don A.; Lewis, Mont E.; Smith, Dixie R. VEGETATION AND ENVIRONMENTAL FEATURES OF FOREST AND RANGE ECOSYSTEMS. U.S. Dep. Agric. Handb. no. 475. 68p. July 1977. For sale by Superintendent of Documents, U.S. GPO, Washington, D.C. 20402. WR 169
Includes material on the fauna of 34 ecosystems.

78-001709 Helms, Ronald L.; Jackson, Marion T. A BIOTIC INVENTORY OF THE DOBBS PARK NATURAL AREA. Proc. Indiana Acad. Sci. 85: 208-216. 1976. WR 169
[Dep. Life Sci., Ind. State Univ., Terre Haute 47809] The vertebrate fauna includes 16 mammal, 73 bird, 10 reptile, 8 amphibian and 7 bony fish species--From abstr.

78-001710 Kabay, E. D.; Burbidge, A. A. , editors A BIOLOGICAL SURVEY OF THE DRYSDALE RIVER NATIONAL PARK, NORTH KIMBERLEY, WESTERN AUSTRALIA IN AUGUST, 1975. Wildl. Res. Bull. Western Aust. no. 6. 132p. 1977. WR 169
[Western Australian Wildl. Res. Cent., P.O. Box 51, Wanneroo, Western Australia 6065, Australia] Includes 12 parts of which the following are of special interest to readers of Wildlife Review: Part 6 MAMMALS--N. L. McKenzie, A. Chapman, W. K. Youngson and A. A. Burbidge. Part 7 BIRDS--R. E. Johnstone, John Dell, L. A. Smith and P. J. Fuller. Part 8 AMPHIBIANS aND REPTILES--G. M. Storr and L. A. Smith.

78-001711 Philibosian, Richard; Yntema, John A. ANNOTATED CHECKLIST OF THE BIRDS, MAMMALS, REPTILES, AND AMPHIBIANS OF THE VIRGIN ISLANDS & PUERTO RICO. Information Services 48p. 1977. Available at $2.00 each (1-9 copies), $1.30 each (10 or more copies) [postpaid] from Information Services, P.O. Box 305, Frederiksted, St. Croix, U.S. Virgin Islands 00840. WR 169
Data for 393 spp. "For this list, the region is divided into seven geographic units. Annotations are given regarding the status of each species within these units: the local seasonal occurrence of a species and if it is endemic, accidental, introduced, endangered, extinct,

78-001711 CONTINUED
nesting or breeding. The data presented are from published sources and our own and other unpublished records."

WILDLIFE--NATURAL AREAS & REFUGES

78-001712 Lochman, Josef; Bendova, Eva ROZVOJ INTENZIVNIHO CHOVU ZVERE V OBORACH. II: CAST: NAVRH VYVOJE HOSPODARENI V OBORACH V CSR. [THE DEVELOPMENT OF THE INTENSIVE REARING OF GAME IN GAME PRESERVES. II. SUGGESTION OF THE DEVELOPMENT OF THE MANAGEMENT IN GAME PRESERVES IN BOHEMIA AND MORAVIA.] Prace VULHM 49: 17-32. 1976. In Czech with Russian and English summ. WR 169
[Vyzkumny Ustav Lesniho Hospodarstvi a Myslivosti, 25501 Zbraslav n. Vlt., Czechoslovakia]

78-001713 Lochman, Josef; Bendova, Eva ROZVOJ INTENZIVNIHO CHOVU ZVERE V OBORACH. [THE DEVELOPMENT OF THE INTENSIVE REARING OF GAME IN GAME PRESERVES.] Prace VULHM 48: 31-54. 1976. In Czech with Russian and English summ. WR 169
[Vyzkumny Ustav Lesniho Hospodarstvi a Myslivosti, 25501 Zbraslav n. Vlt., Czechoslovakia] Data for 36 Czechoslovakian game preserves.

78-001714 Miller, Ronald I.; Harris, Larry D. ISOLATION AND EXTIRPATIONS IN WILDLIFE RESERVES. Biol. Conserv. 12 (4): 311-315. Dec. 1977. WR 169
[P.O. Box 451, Cambridge, Mass. 02138] Abstract: Recent evidence implies that reserve faunal communities may experience species depletion as a result of isolation from contiguous gene pools. Although we could find no species-area relation between reserve size and the number of extant large mammal species in 13 East African savanna reserves, certain tenets of biogeographic theory still apply. Available data from one such area reveal four extirpations in recent times. This may support the hypothesis that isolated reserves may be experiencing species depletion due to isolation from surrounding natural habitat.

78-001715 Usher, Michael B.; Miller, Alyson K. THE DEVELOPMENT OF A NATURE RESERVE AS AN AREA OF CONSERVATIONAL AND RECREATIONAL INTEREST. Environ. Conserv. 2 (3): 202-204. 1975. WR 169

WILDLIFE--ENDANGERED & THREATENED SPECIES

78-001716 Bruderer, Bruno; Thoenen, Willy; Geroudet, Paul LISTE ROUGE DES ESPECES D'OISEAUX MENACEES ET RARES EN SUISSE. [RED LIST OF THE SPECIES OF BIRDS THREATENED AND RARE IN SWITZERLAND.] Nos Oiseaux 34 Suppl. iv + 36p. 1977. In French with English summ. WR 169
Includes data for 83 spp.

78-001717 Massey, Barbara W. OCCURRENCE AND NESTING OF THE LEAST TERN AND OTHER ENDANGERED SPECIES IN BAJA CALIFORNIA, MEXICO. West. Birds 8 (2): 67-70. 1977. WR 169
[1825 Knoxville Ave., Long Beach, Calif. 90815] /Sterna albifrons browni/, /Rallus longirostris levipes/ and /Passerculus sandwichensis beldingi/.

WILDLIFE--MORPHOLOGY & PHYSIOLOGY

78-001718 Frazer, J. F. D. GROWTH OF YOUNG VERTEBRATES IN THE EGG OR UTERUS. J. Zool. (Lond.) 183 (2): 189-201. Oct. 1977. WR 169
[Nature Conservancy Council, 19-20 Belgrave Sq., London, England]
Abstract: In eutherian mammals, foetal growth shows a straight-line relationship between time and cube root of foetal weight. The same relationship has now been found to hold for the embryos in birds' eggs and is postulated for reptiles. In marsupials the specific foetal growth rate does not exceed that already known for the higher primates. Outside the eutherian mammals, only the birds have developed high embryonic growth rates, but in exchange for other disadvantages.

78-001719 Fredga, K. CHROMOSOMAL CHANGES IN VERTEBRATE EVOLUTION. Proc. Roy. Soc. Lond. B Biol. Sci. 199 (1136): 377-397. 13 Dec. 1977. WR 169
[Univ. Lund, Lund, Sweden]

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WILDLIFE--BEHAVIOR

78-001722 Leck, Charles F. BLACK-FACED VERVET ATTACKS AND KILLS A BULBUL. Ostrich 48 (3&4): 111. Dec. 1977. WR 169
[Dep. Zool., Rutgers Univ., New Brunswick, N.J. 08903]
/Cercopithecus aethiops/ and /Pycnonotus xanthopygos/ in Kenya.

78-001723 Mueller, Deborah L.; Hastings, Bruce C. A CLARIFICATION OF 'SURPLUS KILLING'. Anim. Behav. 25 (4): 1065. Nov. 1977. WR 169
[Dep. Wildl. Sci., Utah State Univ., Logan 84622]

78-001724 Tilson, Ronald L. PALEWINGED STARLINGS AND KLIPSPRINGERS IN THE KUISEB CANYON, NAMIB DESERT PARK. Ostrich 48 (3&4): 110-111. Dec. 1977. WR 169
[Desert Ecol. Res. Unit, P.O. Box 953, Walvis Bay 9190, South Africa] /Onychognathus nabourop/ and /Oreotragus oreotragus/.

78-001725 Zucchi, Herbert NOTIZEN ZUM ANHASSEN VON FLEDERMAEUSEN DURCH KLEINVOEGEL IM WINTER. [NOTES ON BATS BEING CHASED BY BIRDS IN WINTER.] Anz. Ornithol. Ges. Bayern 16 (2/3): 187-190. Dec. 1977. In German with English summ. WR 169
[Philipps-Univ., Lahnberge 3550 Marburg/Lahn, West Germany] /Pipistrellus pipistrellus/ and /Nyctalus noctula/.

WILDLIFE--POPULATION DYNAMICS

78-001726 Vorob'ev, V. N.; Ryabko, B. Ya. METHOD OF ESTIMATING ANIMAL NUMBERS IN ISOLATED GROUPS. Sov. J. Ecol. (Engl. Transl. Ekologiya) 8 (2): 119-123. Mar.-Apr. 1977. Translated from Ekologiya no. 2:33-38. Mar.-Apr. 1977. WR 169
[Biol. Inst., Siberian Branch, Acad. Sci. USSR]

WILDLIFE--MORTALITY & SURVIVAL

78-001727 Kasul, R. L. MORTALITY AND MOVEMENT OF MAMMALS AND BIRDS ON A MICHIGAN INTERSTATE HIGHWAY. Va. J. Sci. 28 (2): 64. 1977. Abstract only. WR 169
[Mich. State Univ., East Lansing 48823]

WILDLIFE--PESTICIDES & POLLUTION

78-001728 Bimber, David L.; Mitchell, Robert A. EFFECTS OF DIQUAT ON AMPHIBIAN EMBRYO DEVELOPMENT. Ohio J. Sci. 78 (1): 50-51. Jan.-Feb. 1978. WR 169
[Dep. Biol., State Univ. N.Y., Fredonia 14063] /Rana pipiens/.

78-001729 Clear, M. H.; Fowler, F. R.; Solly, S. R. B.; Ritchie, A. R. DETECTION OF ORGANOPHOSPHORUS AND CARBAMATE PESTICIDES IN ADIPOSE TISSUE BY THIN-LAYER AND GAS-LIQUID CHROMATOGRAPHY. N.Z. J. Sci. 20 (2): 221-224. June 1977. WR 169
[Minist. Agric. & Fisheries, Private Bag, Upper Hutt, New Zealand]

78-001730 Janda, Jiri KLASIFIKACE PESTICIDNICH PRIPRAVKU A JEJICH UCINKU NA LOVNOU ZVER. [THE CLASSIFICATION OF PESTICIDES AND THEIR INFLUENCE ON GAME.] Prace VULHM 49: 7-15. 1976. In Czech with Russian and English summ. WR 169
[Vyzkumny Ustav Lesniho Hospodarstvi a Myslivosti, 25501 Zbraslav n. Vlt., Czechoslovakia]

78-001731 Janda, Jiri UCINEK NOVYCH PESTICIDNICH PRIPRAVKU (BIRLANE EC24, CHLOROPHACINON, NEXION SAATGUTPUDER) NA DROBNOU ZVER. [THE EFFECT OF NEW PESTICIDES (BIRLANE EC24, CHLOROPHACINON, NEXION SAATGUTPUDER) ON SMALL GAME.] Prace VULHM 46: 107-120. 1975. In Czech with Russian and English summ. WR 169
[Vyzkumny Ustav Lesniho Hospodarstvi a Myslivosti, 25501 Zbraslav n. Vlt., Czechoslovakia] /Phasianus colchicus/, /Perdix perdix/ and /Lepus europaeus/.

78-001732 Kay, Kingsley POLYBROMINATED BIPHENYLS (PBB) ENVIRONMENTAL CONTAMINATION IN MICHIGAN, 1973-1976. Environ. Res. 13 (1): 74-93. Feb. 1977. WR 169
[Mount Sinai School Med., New York, N.Y.] Mammals and birds.

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"This publication supplements the preceding /Metabolism of Pesticides/ (1969) and /Metabolism of Pesticides--An Update/ (1974). Readers are also advised that, during the period from preparation to printing of this volume, a considerable additional literature on this subject matter has been published."

78-001734 van den Bercken, Joep THE ACTION OF ALLETHRIN ON THE PERIPHERAL NERVOUS SYSTEM OF THE FROG. Pestic. Sci. 8 (6): 692-699. Dec. 1977. WR 169
[Inst. Veterinary Pharmacol. & Toxicol., Univ. Utrecht, Biltstraat 172, Utrecht, Netherlands] /Rana esculenta/, /R. temporaria/ and /Xenopus laevis/.

78-001735 Windsor, John G., Jr.; Laflamme, Robert E.; Hites, Ronald A. NEOPLASTIC SKIN LESIONS IN SALAMANDERS FROM A SEWAGE LAGOON CONTAINING PERYLENE. Science 198 (4323): 1280-1281. 23 Dec. 1977. WR 169
[Mass. Inst. Technol., Cambridge 02139] [/Ambystoma tigrinum/].

WILDLIFE--PARASITES & DISEASES

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[Charles Univ., Prague, Czechoslovakia]

78-001737 Chandler, J. A.; Parsons, J.; Boreham, P. F. L.; Gill, G. S. SEASONAL VARIATIONS IN THE PROPORTIONS OF MOSQUITOES FEEDING ON MAMMALS AND BIRDS AT A HERONRY IN WESTERN KENYA. J. Med. Entomol. 14 (2): 233-240. 25 Nov. 1977. WR 169
[Ciba-Geigy, Main Office Riyadhi, P.O. Box 5770, Saudi Arabia]

78-001738 Getz, Lowell L.; Avalos, Diana NATURAL ARTHROPOD VECTORED ZOONOTIC DISEASES OF RUSSIA TRANSMISSIBLE TO HUMANS. Biologist 59 (4): 137-160. Nov. 1977. WR 169
[Univ. Ill., Urbana 61801]

78-001739 Heath, A. C. G. ZOOGEOGRAPHY OF THE NEW ZEALAND TICK FAUNA. Tuatara 23 (1): 26-39. July 1977. WR 169
[Wallaceville Animal Res. Cent., Private Bag, Upper Hutt, New Zealand]

78-001740 Kourany, Miguel; Vasquez, Manuel A.; Saenz, Rolando EDWARDSIELLOSIS IN MAN AND ANIMALS IN PANAMA: CLINICAL AND EPIDEMIOLOGICAL CHARACTERISTICS. Am. J. Trop. Med. Hyg. 26 (6-Part 1): 1183-1190. Nov. 1977. WR 169
[P.O. Box 2016, Balboa Heights, Panama, Canal Zone] /Edwardsiella tarda/ was present among some of the wild fauna of Panama; various species of animals including snakes, toads, monkeys, and opossums harbored this organism.--From abstr.

WILDLIFE--ECONOMICS, DAMAGE, PREDATION, CONTROL

78-001741 Best, Louis B. BULLSNAKE PREYS ON ROUGH-WINGED SWALLOW NEST. Condor 79 (4): 509. 1977. WR 169
[Dep. Anim. Ecol., Iowa State Univ., Ames 50011] /Pituophis melanoleucus sayi/ and /Stelgidopteryx ruficollis/.

78-001742 Patton, Stephen R.; Southern, William E. THE EFFECT OF NOCTURNAL RED FOX PREDATION ON THE NESTING SUCCESS OF COLONIAL GULLS. Proc. Conf. Colonial Waterbird Group p. 91-101. 1977. WR 169
[Dep. Biol. Sci., Northern Ill. Univ., DeKalb 60115] /Vulpes vulpes/ vs. /Larus argentatus/ and /L. delawarensis/ in Michigan.

78-001743 Shugart, Gary W. RESIDENT RED FOX PREDATION UPON AN ISLAND GULL COLONY. Jack-Pine Warbler 55 (4): 199-205. Dec. 1977. WR 169
[Rutgers Univ., New Brunswick, N.J. 08903] /Vulpes vulpes/, /Larus delawarensis/ and /L. ridibundus/.

HUNTING--AREAS & PROBLEMS

78-001744 Kozicky, Edward L. TOMORROW'S HUNTERS--GADGETEERS OR SPORTSMEN? Wildl. Soc. Bull. 5 (4): 175-178. 1977. WR 169
[Winchester Group, Olin, East Alton, Ill. 62024]

78-001745 Peterle, Tony J. HUNTERS, HUNTING, ANTI-HUNTING. Wildl. Soc. Bull. 5 (4): 151-161. 1977. WR 169
[Ohio State Univ., Columbus 43210]

WILDLIFE--HARVEST & HUNTING STATISTICS

78-001746 Marsters, A. DeForest SOME CHARACTERISTICS OF NEW YORK HUNTERS. N.Y. Fish Game J. 25 (1): 72-78. Jan. 1978. WR 169
[Coll. Environ. Sci. & Forestry, Syracuse Univ., Syracuse, N.Y.]

WILDLIFE--MANAGEMENT & RESEARCH--GENERAL

78-001747 Beattie, Kirk H.; Giles, Robert H., Jr.; Cowles, Cleveland J. LACK OF RESEARCH IN WILDLIFE LAW ENFORCEMENT. Wildl. Soc. Bull. 5 (4): 170-174. 1977. WR 169
[Va. Polytech. Inst. & State Univ., Blacksburg 24061]

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[Univ. Denver Coll. Law, Denver, Colo.]

78-001749 Caudill, Samuel J. ESTABLISHMENT OF BIG GAME SEASONS IN COLORADO. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 86-95. 1976. WR 169

78-001750 Edgerton, Leslie F. PROCEDURES FOLLOWED IN ESTABLISHING HUNTING AND FISHING SEASONS AND REGULATIONS IN CALIFORNIA. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 83-85. 1976. WR 169
[Calif. Fish & Game Commission, Sacramento 95814]

78-001751 Kimball, Thomas L. THE DIRECTION AND POLICIES IN THE MANAGEMENT OF PUELIC LANDS. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 28-32. 1976. WR 169
[Natl. Wildl. Federation, 1412 16th St., N.W. Washington, D.C. 20036]

78-001752 Kirch, Wayne E. PROCEDURES FOLLOWED IN ESTABLISHING HUNTING AND FISHING SEASONS AND REGULATIONS. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 101-102. 1976. WR 169
[Nev. Fish & Game Commission, Las Vegas 89106]

78-001753 Kleppe, Thomas S. FEDERAL-STATE COOPERATION IN MANAGING WILDLIFE, NATURAL RESOURCES. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 5-11. 1976. WR 169
[Dep. Interior, Washington, D.C. 20240]

78-001754 Koenings, Roman H. THE DIRECTION AND POLICIES IN THE MANAGEMENT OF PUBLIC LANDS. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 14-21. 1976. WR 169
[Bureau Land Manage., Washington, D.C. 20240]

78-001755 Larkin, P. A. GIMME THAT OLD-TIME RELIGION: WHERE NEXT IN WILDLIFE MANAGEMENT? Am. For. 84 (3): 30-33. Mar. 1978. WR 169
[Univ. British Columbia, Vancouver, British Columbia, Canada]

78-001756 Leggett, Robert L. A CONGRESSIONAL VIEW OF THE QUESTION: "WILL THE TREND TOWARD CONGRESSIONAL PREEMPTION OF THE STATES IN FISH AND WILDLIFE MATTERS CONTINUE?" Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 58-62. 1976. WR 169

78-001757 Lenzini, Paul A. WILL THE TREND TOWARD CONGRESSIONAL PREEMPTION OF THE STATES IN WILDLIFE MATTERS CONTINUE? Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 63-69. 1976. WR 169
[Int. Assoc. Game Fish & Conserv. Commissioners, Washington, D.C. 20036]

78-001758 McGregor, Elizabeth LAND USE PLANNING IN CYPRESS HILLS PROVINCIAL PARK, SASKATCHEWAN. Blue Jay 35 (4): 187-199. Dec. 1977. WR 169
[14-96 Hanbidge Crescent, Regina, Saskatchewan S4R 6N2, Canada]
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78-001759 Messersmith, James D. A NEW DIMENSION FOR CALIFORNIA'S NONGAME WILDLIFE PROGRAM. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 356-363. 1976. WR 169
[Calif. Dep. Fish & Game, 1416 9th St., Sacramento 95814]

78-001760 Morse, William B. WILDLIFE LAW ENFORCEMENT, 1976. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 127-145. 1976. WR 169

78-001761 Nelson, Jack R. MAXIMIZING MIXED ANIMAL SPECIES STOCKING RATES UNDER PROPER-USE MANAGEMENT. J. Wildl. Manage. 42 (1): 172-174. Jan. 1978. WR 169
[Wildl. Habitat Manage., Wash. State Univ., Pullman 99164]

78-001762 Resler, Rexford A. THE DIRECTION AND POLICIES IN THE MANAGEMENT OF PUBLIC LANDS. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 22-27. 1976. WR 169
[U.S. Forest Serv., Washington, D.C. 20250]

78-001763 Reynolds, P. C. RESEARCH OPPORTUNITIES AT THE NARL ANIMAL RESEARCH FACILITY. Proc. Alaska Sci. Conf. 28 (4): 91-97. Sept. 1977. WR 169
[Naval Arctic Res. Lab., Barrow, Alaska 99723]

78-001764 Riskind, David H. NATURAL RESOURCE MANAGEMENT IN TEXAS PARKLANDS: AN OVERVIEW. Bull. Tex. Ornithol. Soc. 10 (2): 26-30. Nov.-Dec. 1977. WR 169
[Tex. Parks & Wildl. Dep., 4200 Smith School Rd., Austin 78744]

78-001765 Swaner, Leland S. PROCEDURES FOLLOWED IN ESTABLISHING HUNTING & FISHING SEASONS & REGULATIONS IN UTAH. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 103-105. 1976. WR 169
[Utah Wildl. Board, Salt Lake City 84116]

78-001766 Urrea, F., Jr. PROCEDURES FOLLOWED IN ESTABLISHING HUNTING AND FISHING SEASONS AND REGULATIONS. HOW WE DO IT IN NEW MEXICO. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 96-100. 1976. WR 169
[N. Mex. State Game Commission, Santa Fe 87503]

RANGELAND, TUNDRA & WILDLIFE

78-001767 Gerhart, William; Fisser, Herbert G. SOME INFLUENCES OF GRAZING SYSTEMS UPON VEGETATION AND WILDLIFE. J. Colo.-Wyo. Acad. Sci. 8 (1): 68. Apr. 1976. Abstract only. WR 169
[Univ. Wyo., Laramie]

78-001768 Pieper, Rex D. , compiler RANGE MANAGEMENT THESES 1968-1975. J. Range Manage. 31 (1): 78-80. Jan. 1978. WR 169
[N. Mex. State Univ., Las Cruces] Listing of theses from Iowa State Univ., Univ. Montana, Univ. Nevada, New Mexico State Univ., North Dakota State Univ., Oregon State Univ. and South Dakota State Univ.

FORESTS & WILDLIFE

78-001769 Fox, John F. FOREST FIRES AND THE SNOWSHOE HARE-CANADA LYNX CYCLE. Oecologia (Berl.) 31 (3): 349-374. 5 Jan. 1978. WR 169
[Inst. Arctic Biol., Univ. Alaska, Fairbanks] /Lepus americanus/ and /Lynx canadensis/.

78-001770 Lay, Daniel W.; Murry, Robert E., Sr. COMMENTS ON BROWSE INVENTORIES IN LOUISIANA--PEARSON AND STERNITZKE. J. Wildl. Manage. 42 (1): 169-171. Jan. 1978. WR 169
[Box 4608 SFA, Nacogdoches, Tex. 75962]

78-001771 Pearson, Henry A.; Sternitzke, Herbert S. RESPONSE TO COMMENTS BY DANIEL W. LAY AND ROBERT E. MURRY, SR. J. Wildl. Manage. 42 (1): 171-172. Jan. 1978. WR 169
[U.S. Forest Serv., Washington, D.C. 20013]

ENVIRONMENTAL IMPACTS & ASSESSMENTS

78-001772 Cantilli, Edmund J.; Hair, Malcolm; Cassin, Joseph M.; Falcocchio, John C. AN ENERGY APPROACH TO ECOLOGICAL IMPACT ASSESSMENT. J. Environ. Syst. 7 (3): 243-256. 1977-78. WR 169
[Polytech. Inst. New York, 333 Jay St., Brooklyn, N.Y. 11201]

78-001773 Davies, S. J. J. F. MAN'S ACTIVITIES AND BIRDS' DISTRIBTUTION IN THE ARID ZONE. Emu 77 (4): 169-172. Oct. 1977. WR 169
[Div. Wildl. Res., CSIRO, Helena Valley, Western Australia 6056, Australia]

78-001774 Douglass, Richard J. EFFECTS OF WINTER ROAD ON SMALL MAMMALS. J. Appl. Ecol. 14 (3): 827-834. Dec. 1977. WR 169
[Renewable Resour. Consulting Services, Ltd., 11440 Kingsway Ave., Edmonton, Alberta T5G 0X4, Canada] Summary: Comparisons of vegetation on a winter road with that found in an adjacent undisturbed forest suggested that the winter road significantly modified the vegetation producing a habitat similar to a dry meadow. Reduced numbers of /Clethrionomys rutilus/ and slightly increased numbers of /Microtus pennsylvanicus/ on the winter road were features also found to occur in habitats that were disturbed by naturally occurring spring flooding. Populations of small mammals were found to be generally higher in undisturbed areas than on the winter road but /M. pennsylvanicus/ made up a higher percentage of the population on the road than it did in most undisturbed areas. Diurnal activity of /Clethrionomys rutilus/ was found to be significantly reduced on the winter road as compared to undisturbed areas.

78-001775 Hines, Jim ENVIRONMENTALLY DISRUPTIVE ROAD CONSTRUCTION IN THE QU'APPELLE VALLEY. Blue Jay 35 (4): 200-204. Dec. 1977. WR 169
[3916 Castle Rd., Regina, Saskatchewan S4S 6A4, Canada]

78-001776 Kelcey, John G. INDUSTRIAL DEVELOPMENT AND WILDLIFE CONSERVATION. Environ. Conserv. 2 (2): 99-108. 1975. WR 169
[Milton Keynes Development Corp., Waverdon Tower, Wavendon, Milton Keynes, England]

78-001777 Laursen, Karsten RORSKAERETS EFFEKT PA EN BESTAND AF SMAFUGLE. [THE EFFECT OF REED HARVESTING ON A POPULATION OF PASSERINE BIRDS.] Dan. Ornithol. Foren. Tidsskr. 71 (3-4): 95-101. 1977. In Danish with English summ. WR 169
[Zool. Lab., Universitetsparken 15, 2100 Copenhagen O, Denmark]

78-001778 Lewke, Robert E.; Buss, Irven O. IMPACTS OF IMPOUNDMENT TO VERTEBRATE ANIMALS AND THEIR HABITATS IN THE SNAKE RIVER CANYON, WASHINGTON. Northwest. Sci. 51 (4): 219-270. Nov. 1977. WR 169
[Univ. Wis., Eau Claire 54701] Sixty-five (50 percent) of 129 species studied were found to be significantly dependent upon tree-shrub riparian habitat. Thirty-four (26 percent) of the 129 species were significantly dependent upon riverbank-floodplain habitat.--From abstr.

78-001779 Matthews, William H.; Perkowski, Joseph C. INTEGRATING SCIENTIFIC KNOWLEDGE FOR PROFESSIONAL EDUCATION IN ENVIRONMENTAL MANAGEMENT. Environ. Conserv. 2 (3): 213-222. 1975. WR 169
[Mass. Inst. Technol., Cambridge 02139]

78-001780 Matthews, William H. OBJECTIVE AND SUBJECTIVE JUDGEMENTS IN ENVIRONMENTAL IMPACT ANALYSIS. Environ. Conserv. 2 (2): 121-131. 1975. WR 169
[Mass. Inst. Technol., Cambridge 02139]

78-001781 Nisbet, I. C. T. DIRECT HUMAN INFLUENCES: HUNTING AND THE USE BY BIRDS OF MAN'S WASTE DEPOSITS. Ibis 120 (1): 134. Jan. 1978. Abstract only. WR 169
[Mass. Audubon Soc., South Great Rd., Lincoln 01773] Seabirds.

78-001782 Royston, Michael G.; Perkowski, Joseph C. DETERMINATION OF THE PRIORITIES OF 'ACTORS' IN THE FRAMEWORK OF ENVIRONMENTAL MANAGEMENT. Environ. Conserv. 2 (2): 137-144. 1975. WR 169
[Cent. Etudes Industrielles, 1231 Conches, Geneva, Switzerland]

78-001783 Saunders, D. A. THE EFFECT OF AGRICULTURAL CLEARING ON THE BREEDING SUCCESS OF THE WHITE-TAILED BLACK COCKATOO. Emu 77 (4): 180-184. Oct. 1977. WR 169
[Div. Wildl. Res., CSIRO, Helena Valley, Western Australia 6056, Australia] /Calyptorhynchus baudinii latirostris/.

78-001784 Schultz, Richard D.; Bailey, James A. RESPONSES OF NATIONAL PARK ELK TO HUMAN ACTIVITY. J. Wildl. Manage. 42 (1): 91-100. Jan. 1978. WR 169
[Colo. State Univ., Fort Collins 80523] /Cervus canadensis/ in Colorado.

78-001785 Smith, G. T. THE EFFECT OF ENVIRONMENTAL CHANGE ON SIX RARE BIRDS. Emu 77 (4): 173-179. Oct. 1977. WR 169
[Div. Wildl. Res., CSIRO, Helena Valley, Western Australia 6056, Australia] The effect of past environmental changes on the status of /Atrichornis clamosus/, /A. rufescens/, /Dasyornis broadbenti/, /D. longirostris/, /D. brachypterus/ and /Psophodes nigrogularis/ are considered.--From summ.

MAMMALS--GENERAL

78-001786 Field, Ronald J. OBSERVATIONS ON THE PRESENCE OF FURBEARERS IN THE SEQUATCHIE RIVER, TENNESSEE. J. Tenn. Acad. Sci. 53 (1): 37-40. Jan. 1978. WR 169
[Univ. D.C., Washington 20008] /Ondatra zibethicus/, /Mustela vison/, and /Castor canadensis/.

78-001787 Hooper, Emmet T. TYPE SPECIMENS OF RECENT MAMMALS IN THE MUSEUM OF ZOOLOGY, THE UNIVERSITY OF MICHIGAN. Occas. Pap. Mus. Zool. Univ. Mich. no. 680. 22p. 26 Aug. 1977. WR 169

78-001788 Pascal, D. David, Jr.; Jones, Gwilym S.; Whitaker, John O., Jr. MAMMALS IN THE INDIANA STATE UNIVERSITY VERTEBRATE COLLECTIONS. Proc. Indiana Acad. Sci. 85: 406. 1976. Abstract only. WR 169
[Ind. State Univ., Terre Haute 47809]

78-001789 Van Gelder, Richard G. MAMMALIAN HYBRIDS AND GENERIC LIMITS. Am. Mus. Novit. no. 2635. 25p. 12 Oct. 1977. Price $1.90. WR 169
[Am. Mus. Nat. Hist., New York, N.Y. 10024] Abstract: A taxonomic level, the genus, is analyzed from the perspective of reproduction isolation. It is concluded that if species are, by definition, reproductively isolated, then species in one genus should not be capable of breeding with species in other genera. A survey of reported mammalian intergeneric hybrids and the application of reporductive criteria to the definition of the category of genus led to the recommendation of a number of taxonomic changes in the content of genera. These include the following genera, with synonyms in parentheses: /Macropus (Thylogale, Osphranter, Megaleia, Wallabia); Cercopithecus (Papio, Macaca, Cercocebus, Mandrillus, Cynopithecus, Theropithecus, Erythrocebus, Allenopithecus, Comopithecus); Grampus (Steno, Tursiops); Canis (Alopex, Urocyon, Fennecus, Vulpes, Cerdocyon, Dusicyon); Ursus (Thalarctos, Selenarctos); Melursus (Helarctos); Felis (Panthera); Arctocephalus (Zalophus); Tayassu (Diotyles); Cervus (Dama, Axis, Elaphurus); Bos (Bibos, Bison); Tragelaphus (Taurotragus, Boocercus); Cephalophus (Sylvicapra); Alcelaphus (Damaliscus, Beatragus); Connochaetes (Gorgon); Kobus (Adenota, Ontragus); Capra (Ovis, Ammotragus)/.

MAMMALS--TECHNIQUES

78-001790 Bradbury, Keith IDENTIFICATION OF EARTHWORMS IN MAMMALIAN SCATS. J. Zool. (Lond.) 183 (4): 553-555. Dec. 1977. WR 169
[131 Adel Lane, Adel, Leeds LS16 8BW, England] Recorded from /Meles meles/, /Vulpes vulpes/ and /Erinaceus europaeus/.

78-001791 Davis, Phillip B. A SEASONAL STUDY OF TWO LIVETRAPPING TECHNIQUES FOR MEDIUM-SIZED MAMMALS. Acta Theriol. 22 (29): 377-380. Sept. 1977. In English. WR 169
[Mich. State Univ., East Lansing 48824]

78-001792 Meadows, Roy W. HEMOGLOBIN ANALYSIS FOR BIG GAME IDENTIFICATION. Proc. Annu. Conf. West. Assoc. State Game Fish Comm. 56: 121-126. 1976. WR 169
[Utah State Div. Wildl. Resour., Salt Lake City 84116]

78-001793 Rose, Robert K.; Slade, Norman A.; Honacki, James H. LIVE TRAP PREFERENCE AMONG GRASSLAND MAMMALS. Acta Theriol. 22 (21): 296-307. Sept. 1977. In English with Polish summ. WR 169
[Georgetown Univ., Washington, D.C. 20057] Results from Fitch and Sherman live trapping are compared.

MAMMALS--FAUNAS, COMMUNITIES, MANUALS

78-001794 Atallah, Sana Isa MAMMALS OF THE EASTERN MEDITERRANEAN REGION; THEIR ECOLOGY, SYSTEMATICS AND ZOOGEOGRAPHICAL RELATIONSHIPS. Saugetierkd. Mitt. 25 (4): 241-320. 1977. WR 169
Annotated List of 94 spp. and 100 sspp. of terrestrial mammals.

78-001795 Barnett, J. L.; How, R. A.; Humphreys, W. F. SMALL MAMMAL POPULATIONS IN PINE AND NATIVE FORESTS IN NORTH-EASTERN NEW SOUTH WALES. Aust. Wildl. Res. 4 (3): 233-240. Oct. 1977. WR 169
[La Trobe Univ., Bundoora, Victoria 3083, Australia] Although six species, /Rattus fuscipes/, /R. lutreolus/, /R. rattus/, /Mus musculus/, /Melomys cervinipes/ and /Antechinus stuartii/, were trapped, only /R. fuscipes/ had viable populations in both vegetation types.--From abstr.

78-001796 Bowles, John B. UPDATE OF MAMMALS OF FREMONT COUNTY. Iowa Bird Life 47 (4): 138-140. Dec. 1977. WR 169
[Central Coll., Pella, Iowa]

78-001797 Clark, Tim W. PRELIMINARY MAMMAL SURVEY OF FOSSIL BUTTE NATIONAL MONUMENT, WYOMING. Great Basin Nat. 37 (1): 91-94. 31 Mar. 1977. WR 169
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MAMMALS--ECONOMICS, DAMAGE, PREDATION, CONTROL

78-001844 Guthery, Fred S.; Beasom, Samuel L. RESPONSES OF GAME AND NONGAME WILDLIFE TO PREDATOR CONTROL IN SOUTH TEXAS. J. Range Manage. 30 (6): 404-409. Nov. 1977. WR 169
[Tex. Tech Univ., Lubbock] Highlight: One hundred thirty-two coyotes, 27 opossums, 22 skunks, 18 bobcats, 15 raccoons, 12 badgers, and one gray fox were killed on a 1,550-ha area of mixed brush rangeland in South Texas during January-July 1975 and 1976 to determine the responses of herbivore and quail populations to predator control. When compared to an area without predator control, predator removal at this level had little discernible effect on density trends of bobwhite or scaled quail, rodents, or lagomorphs. However, fawn production per unit area was 70 percent greater in 1975 on the area with predator control and 43 percent greater in 1976. These data suggest that intensive short-term predator control on South Texas rangeland results in little or no adverse impact on range forage due to expanding populations of small herbivores. Productivity and populations of white-tailed deer may increase and harvests should be adjusted accordingly, as overuse of range forage could occur.

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BIRDS--PARASITES & DISEASES

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[Ohio Div. Wildl., 952 Lima Ave., Findlay 45840] /Zenaida macroura/.

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[Univ. Fla., Gainesville 32610] /Zenaida macroura/.

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[Colo. Coll., Colorado Springs 80903] /Streptopelia risoria/.

78-002648 Thomas, David H.; Robin, A. Paul COMPARATIVE STUDIES OF THERMOREGULATORY AND OSMOREGULATORY BEHAVIOUR AND PHYSIOLOGY OF FIVE SPECIES OF SANDGROUSE (AVES: PTEROCIIIDAE) IN MOROCCO. J. Zool. (Lond.) 183 (2): 229-249. Oct. 1977. WR 169
[Univ. Coll., Cardiff, Wales] In Morocco, /Pterocles alchata/ and /orientalis/ prefer steppe habitats, while /coronatus/, /senegallus/ and /lichtensteini/ prefer deserts, so that these species groups are largely allopatric under normal climatic conditions.--From abstr.

WATER BIRDS

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[Natl. Parks & Wildl. Serv., Box N189, Grosvenor St. Post Office, Sydney, New South Wales 2000, Australia]

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[Dep. Forestry & Wildl., Univ. Mass., Amherst 01003]

78-002652 Kane, Richard; Farrar, Richard B. 1977 COASTAL COLONIAL BIRD SURVEY OF NEW JERSEY. N.J. Audubon 3 (11-12): 187-194. Nov.-Dec. 1977. WR 169
[Wildl. Res. Unit, N.J. Audubon Soc., Hardscrabble Rd., Bernardsville 07924] Data for 18 spp.

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[Mass. Coop. Wildl. Res. Unit, Univ. Mass., Amherst 01003] Data for 25 spp.

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78-002657 Williams, Sartor O. III COLONIAL WATERBIRDS ON THE MEXICAN PLATEAU. Proc. Conf. Colonial Waterbird Group p. 44-47. 1977. WR 169
[Dep. Fishery & Wildl. Biol., Colo. State Univ., Fort Collins 80523]

WATERFOWL--GENERAL

78-002658 Carney, Samuel M.; Sorensen, Michael F.; Martin, Elwood M. DUCK STAMPS SOLD WITHIN STATES AND COUNTIES DURING SALES YEARS 1966-67 THROUGH 1975-76. U.S. Fish Wildl. Serv. Spec. Sci. Rep.--Wildl. no. 210. 46p. 1978. WR 169
[Patuxent Wildl. Res. Cent., Laurel, Md.]

78-002659 Dunn, David B.; Knauer, Dean F. PLANT INTRODUCTIONS BY WATERFOWL TO MINGO NATIONAL WILDLIFE REFUGE, MISSOURI. Trans. Mo. Acad. Sci. 9: 27-28. 1975. WR 169
[Univ. Mo., Columbia 65201] Abstract: Three species of flowering plants, not previously known to occur in Missouri, are reported. They are: /Cyperus albomarginatus/ Mart. & Schr., /Fimbristylis miliacea/ (L.) Vahl., and /Aeschynomone indica/ L. The latter is a new Genus for the state.

78-002660 Macneill, A. C.; Barnard, T. NECROPSY RESULTS IN FREE-FLYING AND CAPTIVE ANATIDAE IN BRITISH COLUMBIA. Can. Vet. J. 19 (1) : 17-21. Jan. 1978. In English with French summ. WR 169
[Anim. Pathol. Div., Agric. Canada, Pacific Area Lab., 3802 West Fourth Ave., Vancouver, British Columbia V6R 1P5, Canada] Data for 41 spp.

78-002661 Sabin, Walton B. NEW YORK STATE WATERFOWL COUNT, JANUARY 1977. Kingbird 27 (4): 191-194. 1977. WR 169
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[Gaylord Memorial Lab., Puxico, Mo. 63960]

78-002663 Thomas, G. J.; Owen, Myrfyn; Richards, Penny GRIT IN WATERFOWL AT THE OUSE WASHES, ENGLAND. Wildfowl 28: 136-138. 1977. WR 169
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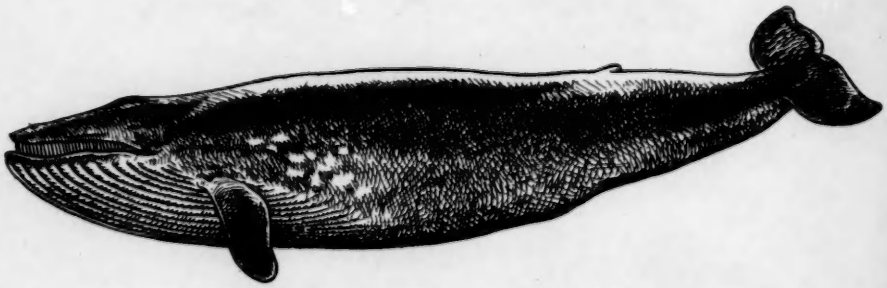

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